صالح بن عبدالعزيز ال الشيخ

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```
%(a)
x= [1 2 3]; a=2; b=3; c=5;
F= 2*(-x+(sin(pi/6)).^2./ (x.^3-c/b)).*exp(a./x);
%(b)
expr= a./(x.^2)-b./x+c;
G= (log(abs(expr))-exp(sqrt(expr)))./tan(expr);
-7.5417  -3.7853 -11.6480

  -5.1845   -5.1845   -3.3964
%%question 2
ID= [101; 102; 103; 104; 105];
grades = [
   65 78 70 60 85;
   90 95 85 80 80;
   70 75 85 95 100;
   80 70 60 50 50;
   75 75 80 85 90];
%(b)
avgGrades= mean(grades, 2);
AVG= [ID avgGrades];
%(C)
[maxAvg, idxMax]= max(avgGrades);
maxID = ID(idxMax);
%(d)
[minAvg, idxMin]= min(avgGrades);
minID= ID(idxMin);
101.0000   71.6000
 102.0000   86.0000
 103.0000   85.0000
 104.0000   62.0000
 105.0000   81.0000
```

MaxAVG=86

maxID=102

minAvg=62

minID=104